WO 98/11228 PCT/GB97/02424

- 30 -

	(D) TOPOLOGY: unknown	
	(ii) MOLECULE TYPE: cDNA	
5	(vii) IMMEDIATE SOURCE: (B) CLONE: U-U80	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:	
	GGCACGAGGG ACAAGCGATG GCAGCAGAAT TGTCTCCCAC GCTGAGCAAG AGCATCTTTG	6
15	AAGGAGCCGG TGGATCTTAC TCTACTTGGT CAGGTGCCGA TCTCCCCCTT CTTACTGATG	12
	CAAAGCTCGG CGGAGGCAAG CTTGTCCTGA AACCACTGGG CTTGGCGTTG CCTCACTATT	18
20	CCGACTCATC GAAAGTCGGC TATGTTCTTG AAGGAAGAGC GGTGGTGGGG CTAACACTCT	24
20	ATGGAGAGAC CGAGCAGAGG ATACTGCTGC TTGAGAAGGG AGATGTGGTA GCGGTGGTCA	30
	TGGGGAGCCT CACGTGGTGG TACAACGAGG AGGAGGACTC CGACTTCTCC ATCGCCTTCT	36
25	TAGGCGATAC CGCGACAGCT GTGCGACCGG GCGACATCGC CTACTTCTTC TTGGCAGGAT	42
	CCCTAGGAAG TGCTCCATGG CTTTTCGACG GAAATTCCTC ANCAGGGCCT GCGGTTTAAG	48
i) Ho	GGGATGCGGA AGCTGANGAG CTCTTCGGAA GCCAACCTGG TACTCTAATC ATCACACNGC	54
3 0	AGCAAAAGCT GCCTGGCCTC AGANCATCCC GAGCTGACAG CNAAGGGATA TCNTAAACGC	60
===	TGANCGCGTA NCGGCATATA TCAATGTGAA AAGTGGTGGC TGTTCTGCCT CGGTGACCCT	66
3 5	TNATNAACTG GCNGCNCTGG GAAGATCAGG TTCTCCGTCN ACCTCCAAAA ATCCANCCTA	72
Aug. Med.	ACCCCGTGCC TTGCCGGGGT TCTTCNTTGA ATCNNCTGTT CANCTGAAAT TTTTCCCCAA	78
: ZG	GGCCNTGGAA CAATTCT	7 9
40	(2) INFORMATION FOR SEQ ID NO: 20:	
45	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 742 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: unknown	
50	(ii) MOLECULE TYPE: cDNA	
	(vii) IMMEDIATE SOURCE: (B) CLONE: U-U90	
55		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:	
60	GGCACGAGAT GACTCTCTCG GCGGTAGCAT CGGATGCCGA TGATTCGGTC GCTTATACAT	60
	TCGCTTCGCG ATACGTTCGC GAGGCTCTTC CCCGGTTCAG GATACCGGAG CAGTCGATCC	120
	CCAAGGATGC GGCGTACCAG ATCATCAACG ACGAGCTGAT GCTCGACGGG AACCCGCGGT	180
65	TGAATCTGGC GTCGTTCGTG ACGACGTGGA TGGAGCCGGA GTGCGATCGC CTCATCATGG	240
	CGGCCGTCAA CAAGAACTAC GTCGACATGG ACGAGTACCC CGTCACCACC GAGCTCCAGA	300

ATCGCTGCGT AAATATGATA GCCCACCTTT TCAATGCCCC AATTGGGGAA NACGAAACGG

CTGTTGGAGT TGGAACTGTG GGTTCCTCCA GAAGCAATCA TGCTTGCAGG ACTTGCATTC

70

360

420

	AAGAGGAAAT GGCAGAACAA AAGAAAGGCA GAGGANAAGC CTTACGACAA ACCCAACNTT	48
5	GTTACCGGTG CAAATGTTCA GGTTTGCTGG GANAAATTTG CAAGGTATTT TGAAGTTTGA	54
J	ACTGAAAGAA ATTGAAGTTG AAAGAAGGAT ATTATGTTAA TGGATCCTGC CAAGGCAGTA	60
	NAAATGGTTG ATGAAAAATA CATATGTTTT TGCTGCCATC TTTGGGTTCA ACTCTCCCTG	66
10	GGAAAATTTG AANATGTTAA CCTTCTAAAT GATCTCCTGA CNGAAAAAAA CCCAGAAACT	72
	GGGTTGGACC CCCCNTACTT GT	742
15	(2) INFORMATION FOR SEQ ID NO: 21:	
20	(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 807 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: unknown	
A Land	(11) MOLECULE TYPE: cDNA	
25 Links and the state of the s	(vil) IMMEDIATE SOURCE: (B) CLONE: U-U92	
11 30 }=	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 21:	
æ	GGCACGAGCT CTAGCCGATG ACTCTCTCGG CGGTAGCATC TGATGCCGAT GATTCGGTCG	60
1335	CTTATACATT CGCTTCGCGA TACGTTCGCG AGGCTCTTCC CCGGTTCAGG ATACCGGAGC	120
and a	AGTCGATCCC CAAGGATGCG GCGTACCANA TCATCAACGA CGAGCTGATG CTCGACGGGA	180
And day	ACCCGCGGTT GAATCTGGCG TCGTTCGTGA CGACGTGGAT GGAGCCGGAG TGCGATCGCC	240
40	TCATCATGGC GGCCGTCAAC AAGAACTACG TCGACATGGA CGAGTACCCC GTCACCACCG	300
	AGCTCCAGAA TCGCTGCGTA AATATGATAG CCCACCTTTT CAATGCCCCG ATTGGGGAAN	360
45	ACNAAACGGC TGTTGGAGTT GGAACTGTGG GGTCCTCAAA AGCAATCATG CTTGCAGGGC	420
	TTGCATTCAA GAGGAAATGG CANAACAAAA GAAAGGCAGA GGANAAGCCT TACGACAAAC	480
	CCAACATTGT TACCGGTGCA AATGTTCNGG TTTTGCTGGG AANAAATTTG CAAGGTATTT	540
50	TGAAATTTGA ACTGANAGAA NTGAANTTGA AAGAAGGATA TTATGTTTAT GGATCCCNGC	600
	CCAAGGCAGT ANAAATGGTT GATGAAAATA CCAATTTNTG TTGCTTGCCC ATCTTTGGGT	660
55	TCCACTCTCN CTGGGANAAT TTTGAAAAAT GTTNAGCTTC TAAATGATCT CCNGGACCNA	720
	AAAAANNCCC NNAANCTNGG TTGGGACCCC CCCNTACCTT TTCNATNCCT GCCANTTNGG	780
	GGATTCNNTA NCGCCTTTCC TNCTATC	807
60	(2) INFORMATION FOR SEQ ID NO: 22:	
65	(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 770 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: unknown	
70	(i1) MOLECULE TYPE: cDNA	

(vii) IMMEDIATE SOURCE:

WO 98/11228 PCT/GB97/02424

- 32 -

(B) CLONE: U-U91

5	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 22:	
	GGCACGAGAG AAAAAATTGT AAAGTTTGAC TTTCATGGAC AGCCTGCGGA GCTCAAGCAT	60
10	GGTAGCCTTG TCATAGCAGC AATTACAAGC TGCACAAACA CATCAAATCC CAATGTTATG	120
	CTTGGTGCTG GTCTTGTTGC AAAGAAGGCC TGTGAATTAG GTCTACAGGT TAAGCCTTGG	180
	ATCAAAACCA GCCTTGCTCC AGGTTCTGGA GTTGTTACCA AGTATTTGCT TAAGAGTGGC	240
15	CTACAAGAAT ATTTGAATCA GCAAGGATTT AATATTGTTG GGTATGGCTG CACAACATGT	300
	ATCGGAAACT CTGGGGATCT TGATGAGTCT GTGGCTGCTG CAATTTCCGA TAATGATATA	360
20	GTTGCTGCTG CTGTTCTATC TGGAAATAGG AATTTTGAGG GACGTGTGCA TCCATTGACA	420
770	CGAGCTAACT ATCTTGCTTC ACCTCCGCTT GTTGTAGCTT ATGCGCTTGC TGGAACAGTT	480
Į.	GACATTGATT TTGAAAAAGA ACCCAATTGG AACAGGGGAA GGATGGGAAA AAACATATAC	540
2 5	TTCCAGGATA TATGGCCGTC CACTGAANAA ATTGCACAGG TTGTGCAATC CANTGTTTTT	600
T.	GCCTGAAATG TTCAAGAATA CCTATGAAGC AATCACCAAA GCACCCTATG TTGGAACCAA	660
11	CTGACTGTTC CCNGCCACAC TCTTTATTCA TGGGACCCAA TCCNCNTACA TCTTAACCAC	720
122	CNTATTTTAA GGANATGACC ATGGCCCNCC TGTCCNCATG GGGTGAAAAA	770
	(2) INFORMATION FOR SEQ ID NO: 23:	
35 <u>.</u>	(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 810 base pairs	
Transfer and the state of the s	(B) TYPE: nucleic acid (C) STRANDEDNESS: single	
40	(D) TOPOLOGY: unknown	
Ä	(ii) MOLECULE TYPE: cDNA	

(vii) IMMEDIATE SOURCE: (B) CLONE: U-U96

45

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 23:

50 GGCACGAGAG GGCCGTTCCT TTTTGTGCTC GCTTTGCTGC CTCCTCGTTC GTCTTTTCCG 60 CGAATTTCAC CGGCCATGAA CAGCCTTCGG AGCCTTCCGA CATCCTCCGC TCCGCCCTCG 120 CCGGTCCCGA GAGGACGTTC GAGTAGGCCA CCGACCTTGA ATCTGGGGGT GATACGACCA 55 180 CATCATCTTC GTGTAAATGT CGCCAGGAGT GCATGTTCCA AGTCTTCTGC AAGTCCTGAG 240 AAGACTGGTG CTGAAGTGCA AGATCAGAAG TCTGAGATAT ATAGCAGTGA TATGACAAAA 300 60 GCAATGGGTG CAGTGCTGAC ATATAGGCAT GAGCTTGGAA TGAATTATAA TTTCATCTAC 360 CCAGGATTGA TTGTTGGTTC TTGTCTACAG ACCCCATCAG ATGTTGATAA GCTTCCNAAA 420 GATTGGGGTT GAAGACCATC TTTTGCTTGC AGAAGGACTC GGATCTTTGA ATATTTTGGG 65 480 GTTGAAATTG GTGCAATTCC NTGAATATGC CATGCAATGT GGTGACATTG AACATCTTCN 540 TGCTGAAATC AGGGATTTTG ATGCATTTGA TTTGAAGATG ANACTTCCTG CNGTANTTAC 600 70 NAATTATACA AGGCTAATTA ATCCGAATGG TGGAATGACT TATTTTCNCT GTACANCCNG 660